

#3

FIG. 1

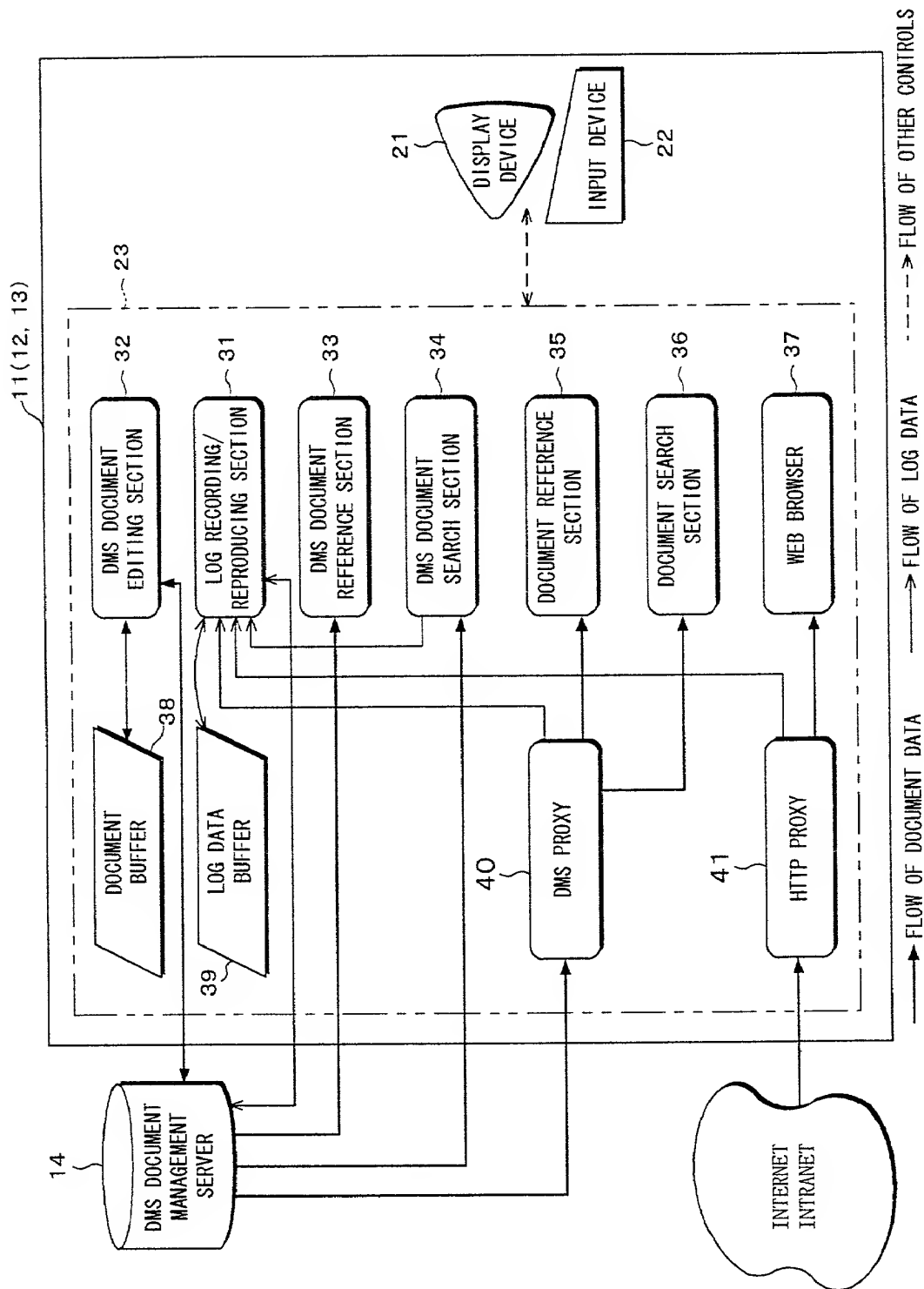


FIG. 2

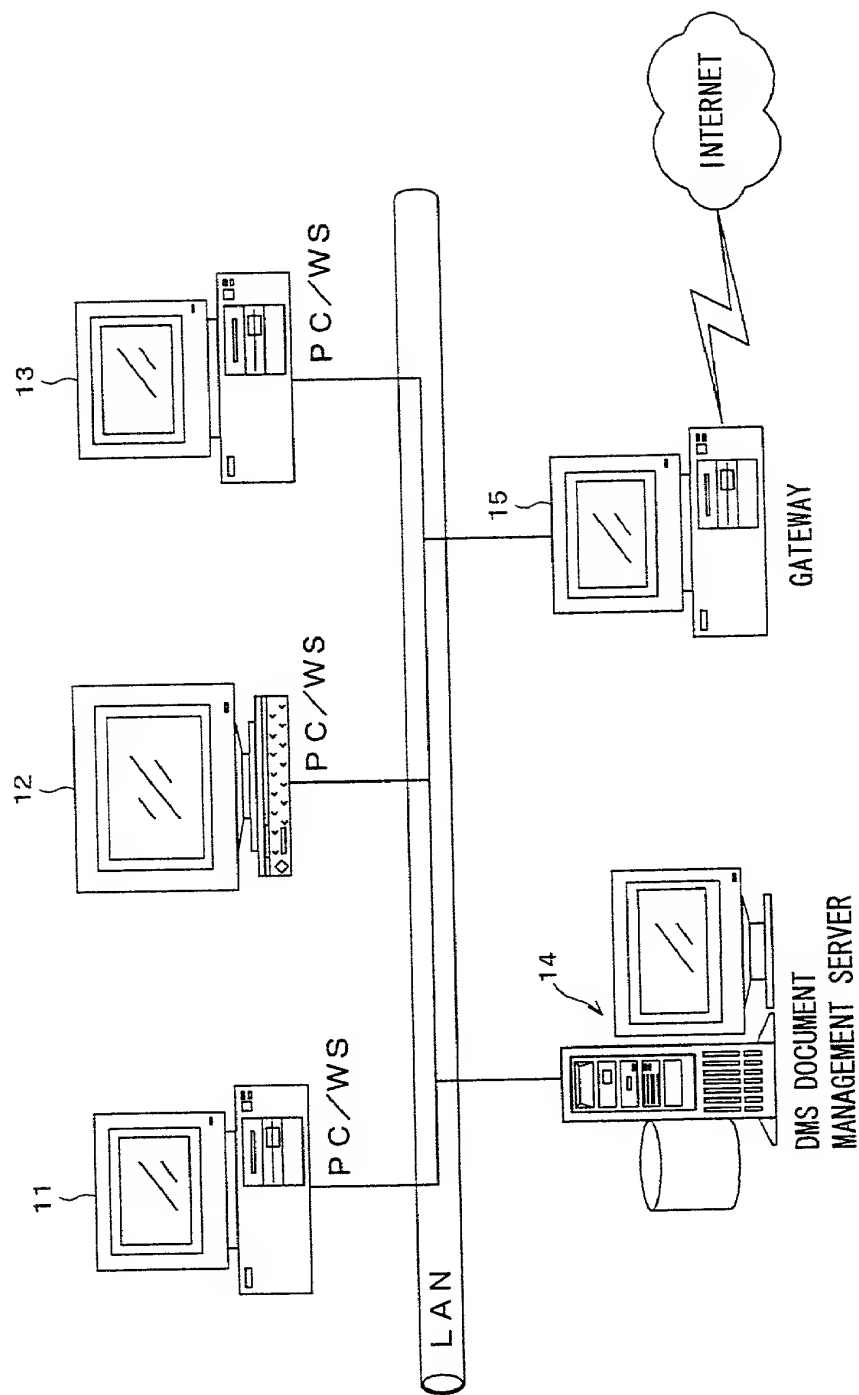


FIG. 3

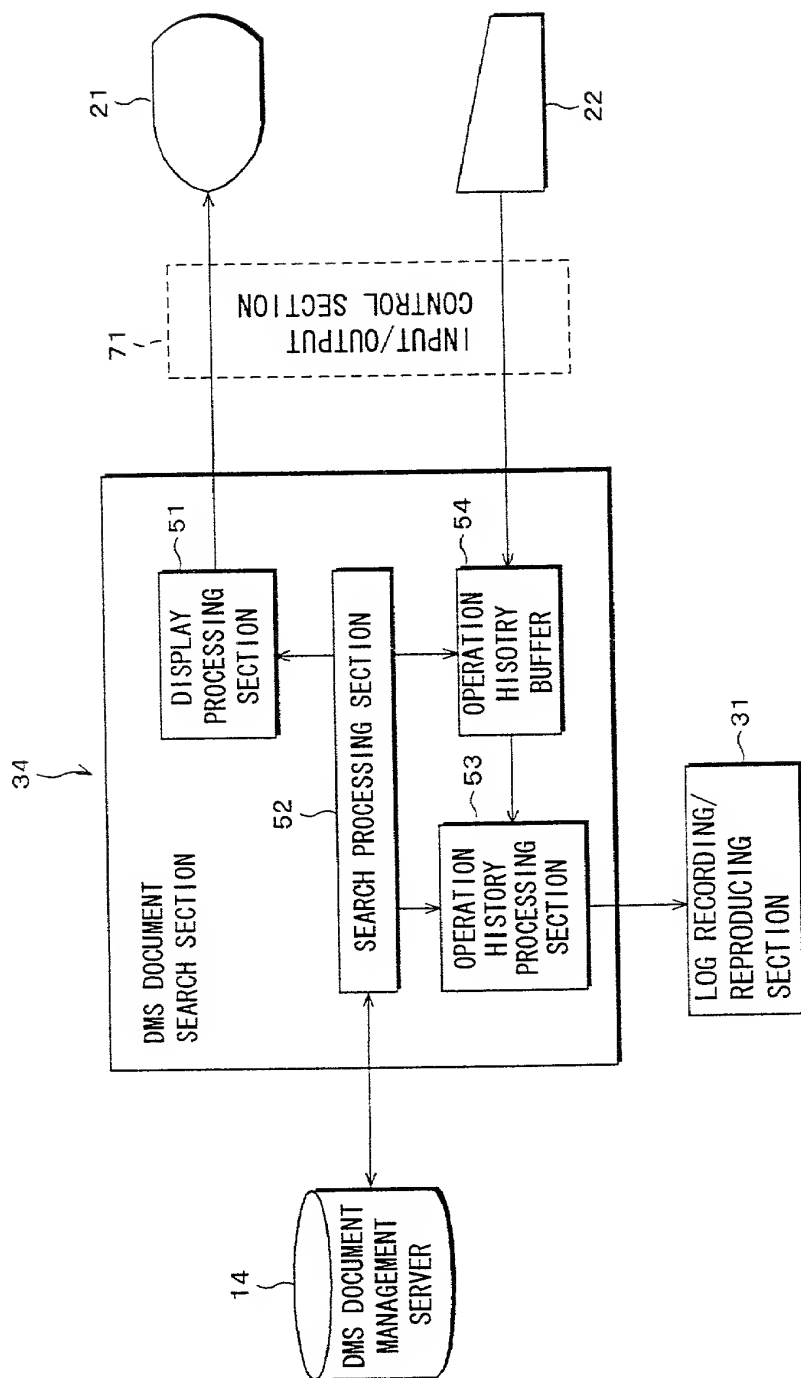


FIG. 4

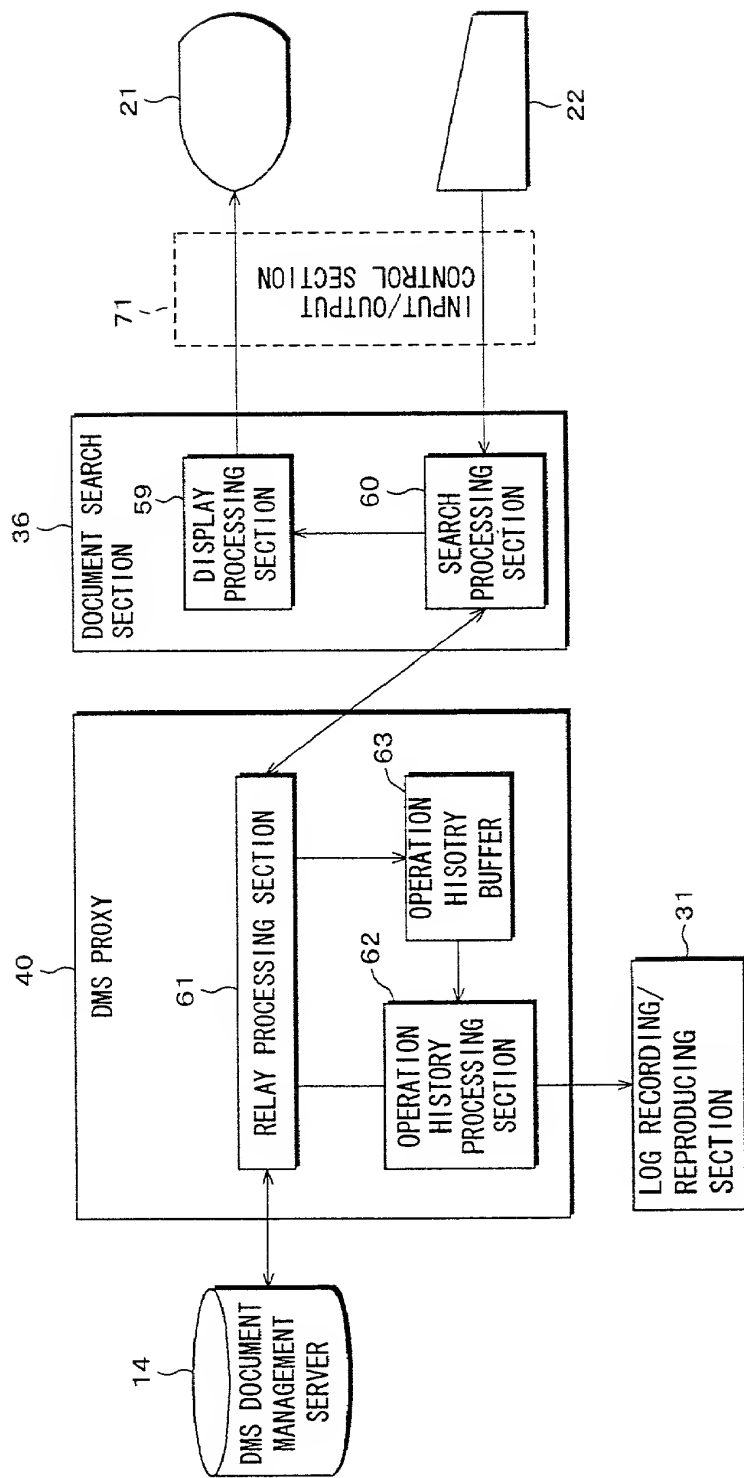


FIG. 6

CREATION SCREEN

(a 1)

..... USED IN JPEG
| ORTHOGONAL TRANSLATION

(a 2)

..... USED IN JPEG
| DISCRETE COSINE TRANSLATION
| ORTHOGONAL TRANSLATION

(a 3)

..... COSINE TRANSLATION
USED IN JPEG IS | ORTHOGONAL
TRANSLATION

REFERENCE SCREEN

(b 1)

.....
REED SOLOMON CODE:.....
DISCRETE COSINE TRANSLATION (|DCT):.....
.....

(b 2)

.....
REED SOLOMON CODE:
|DISCRETE COSINE TRANSLATION (DCT):.....
.....

(b 3)

.....
REED SOLOMON CODE:.....
|DISCRETE COSINE TRANSLATION (DCT):.....
.....

FIG. 7 (a)

oooooooooooo, oooooooooooooooooooooooooooooo, oo
oo?

FIG. 7 (b)

0001	0~64
0002	64~124
0003	
.....	

FIG. 7 (c)

0001	0
0002	64
0003	124
.....	

FIG. 7 (d)

1. oooooooooo
1. 1oooooooooooooooooooooooooooo
1) oooooooooo
.....

FIG. 7 (e)

1.	0~25
1. 1	25~74
1. 1 1)	74~...
.....

FIG. 8

RECORDING ORDER	POSITION	AP OPERATED	OPERATION CONTENT	OPERATION INFORMATION
.....
1111	904	DMS DOCUMENT EDITING SECTION	MOVE CURSOR	896
1112	896	DMS DOCUMENT REFERENCE SECTION	START DISPLAY	"COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0
1113	896	DMS DOCUMENT REFERENCE SECTION	SERACH CHARACTER	"DCT", 6144, 6
1114	896	DMS DOCUMENT REFERENCE SECTION	MOVE CURSOR	6126
1115	896	DMS DOCUMENT REFERENCE SECTION	COPY	"DISCRETE COSINE TRANSLATION", 6142
1116	896	DMS DOCUMENT EDITING SECTION	PASTE	"DISCRETE COSINE TRANSLATION", 912
1117	912	DMS DOCUMENT EDITING SECTION	MANUAL INPUT	"IS" 914

FIG. 9

RECORDING ORDER	POSITION	AP OPERATED	OPERATION CONTENT	OPERATION INFORMATION
.....
1109	896	DMS DOCUMENT EDITING SECTION	MANUAL INPUT	"ORTHOGONAL", 900
1110	900	DMS DOCUMENT EDITING SECTION	MANUAL INPUT	"TRANSLATION", 904
1111	904	DMS DOCUMENT EDITING SECTION	MOVE CURSOR	896
1112	896	DMS DOCUMENT REFERENCE SECTION	START DISPLAY	"COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0
1113	896	DMS DOCUMENT REFERENCE SECTION	SERACH CHARACTER	"DCT", 6144, 6
1114	896	DMS DOCUMENT REFERENCE SECTION	MOVE CURSOR	6126
1115	896	DMS DOCUMENT REFERENCE SECTION	COPY	"DISCRETE COSINE TRANSLATION", 6142

FIG. 10

RECORDING ORDER	POSITION	AP OPERATED	OPERATION CONTENT	OPERATION INFORMATION
.....
1109	912	DMS DOCUMENT EDITING SECTION	MANUAL INPUT	"ORTHOGONAL", 900
1110	916	DMS DOCUMENT EDITING SECTION	MANUAL INPUT	"TRANSLATION", 904
1111	904	DMS DOCUMENT EDITING SECTION	MOVE CURSOR	896
1112	896	DMS DOCUMENT REFERENCE SECTION	START DISPLAY	"COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0
1113	896	DMS DOCUMENT REFERENCE SECTION	SERACH CHARACTER	"DCT", 6144, 6
1114	896	DMS DOCUMENT REFERENCE SECTION	MOVE CURSOR	6126
1115	896	DMS DOCUMENT REFERENCE SECTION	COPY	"DISCRETE COSINE TRANSLATION", 6142
1116	896	DMS DOCUMENT EDITING SECTION	PASTE	"DISCRETE COSINE TRANSLATION", 912

FIG. 11

..... COSINE TRANSLATION AS ONE EXAMPLE OF
ORTHOGONAL TRANSLATION USED IN JPEG IS |

continued on page 2 of 2

FIG. 12

RECORDING ORDER	POSITION	AP OPERATED	OPERATION CONTENT	OPERATION INFORMATION
.....
1109	896	DMS DOCUMENT EDITING SECTION	MANUAL INPUT	"ORTHOGONAL", 900
1110	900	DMS DOCUMENT EDITING SECTION	MANUAL INPUT	"TRANSLATION", 904
1111	904	DMS DOCUMENT EDITING SECTION	MOVE CURSOR	896
1112	*896	DMS DOCUMENT REFERENCE SECTION	START DISPLAY	"COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0
1113	*896	DMS DOCUMENT REFERENCE SECTION	SERACH CHARACTER	"DCT", 6144, 6
1114	*896	DMS DOCUMENT REFERENCE SECTION	MOVE CURSOR	6126
1115	*896	DMS DOCUMENT REFERENCE SECTION	COPY	"DISCRETE COSINE TRANSLATION", 6142
1116	896	DMS DOCUMENT EDITING SECTION	PASTE	"DISCRETE COSINE TRANSLATION", 912
.....
1122	DMS DOCUMENT EDITING SECTION	MOVE CURSOR	896
1123	896	DMS DOCUMENT EDITING SECTION	DELETE	"DISCRETE COSINE TRANSLATION IS", (914)

FIG. 13

RECORDING ORDER	POSITION	AP OPERATED	OPERATION CONTENT	OPERATION INFORMATION
.....
1109	896	DMS DOCUMENT EDITING SECTION	MANUAL INPUT	"ORTHOGONAL", 900
1110	900	DMS DOCUMENT EDITING SECTION	MANUAL INPUT	"TRANSLATION", 904
1111	904	DMS DOCUMENT EDITING SECTION	MOVE CURSOR	896
1112	916	DMS DOCUMENT REFERENCE SECTION	START DISPLAY	"COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0
1113	916	DMS DOCUMENT REFERENCE SECTION	SERACH CHARACTER	"DCT", 6144, 6
1114	916	DMS DOCUMENT REFERENCE SECTION	MOVE CURSOR	6126
1115	916	DMS DOCUMENT REFERENCE SECTION	COPY	"DISCRETE COSINE TRANSLATION", 6142
1116	896	DMS DOCUMENT EDITING SECTION	PASTE	"DISCRETE COSINE TRANSLATION", 912
.....
1122	DMS DOCUMENT EDITING SECTION	MOVE CURSOR	896
1123	896	DMS DOCUMENT EDITING SECTION	DELETE	"DISCRETE COSINE TRANSLATION IS", (914)
1124	896	DMS DOCUMENT EDITING SECTION	MOVE CURSOR	916
1125	916	DMS DOCUMENT EDITING SECTION	PASTE	"DISCRETE COSINE TRANSLATION IS", (934)

FIG. 14

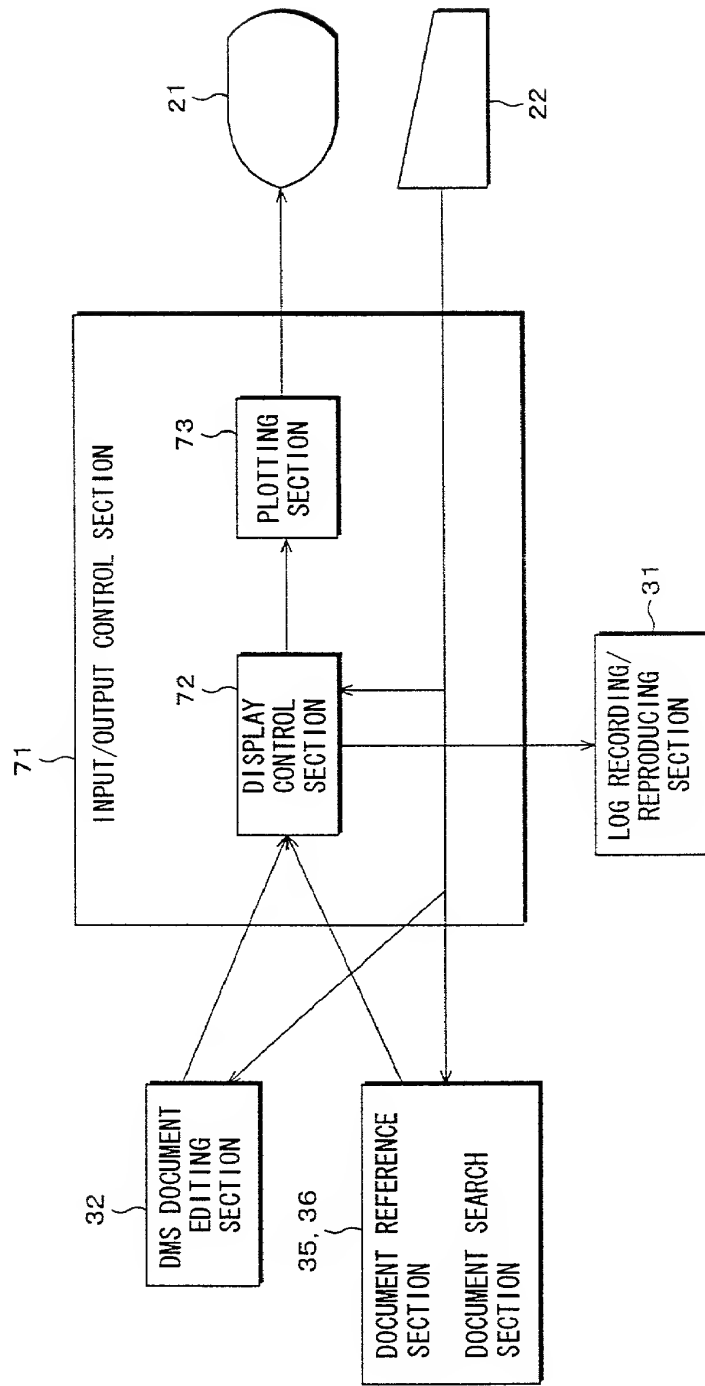


FIG. 15

RECORDING ORDER	POSITION	AP OPERATED	OPERATION CONTENT	OPERATION INFORMATION
.....
1111	904	DMS DOCUMENT EDITING SECTION	MOVE CURSOR	896
1112	896	DMS DOCUMENT REFERENCE SECTION 1	NON-DISPLAY	
1113	896	DMS DOCUMENT REFERENCE SECTION 2	START DISPLAY	"COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0
1114	896	DMS DOCUMENT REFERENCE SECTION 2	SEARCH CHARACTER	"DCT", 6144, 6
1115	896	DMS DOCUMENT REFERENCE SECTION 2	MOVE CURSOR	6126
1116	896	DMS DOCUMENT REFERENCE SECTION 2	COPY	"DISCRETE COSINE TRANSLATION", 6142
1117	896	DMS DOCUMENT EDITING SECTION	PASTE	"DISCRETE COSINE TRANSLATION", 912
.....
1236	1088	DMS DOCUMENT REFERENCE SECTION 2	NON-DISPLAY	
1237	1088	DMS DOCUMENT REFERENCE SECTION 1	RE-DISPLAY	
.....

FIG. 16

CONDITIONS FOR SELECTION BETWEEN WINDOW
DISPLAY AND NON-DISPLAY

- ☒ DISPLAY FRONT SCREENS
- ☐ DISPLAY READABLE AREA OF NOT SMALLER THAN
 CHARACTERS × LINES

FIG. 17

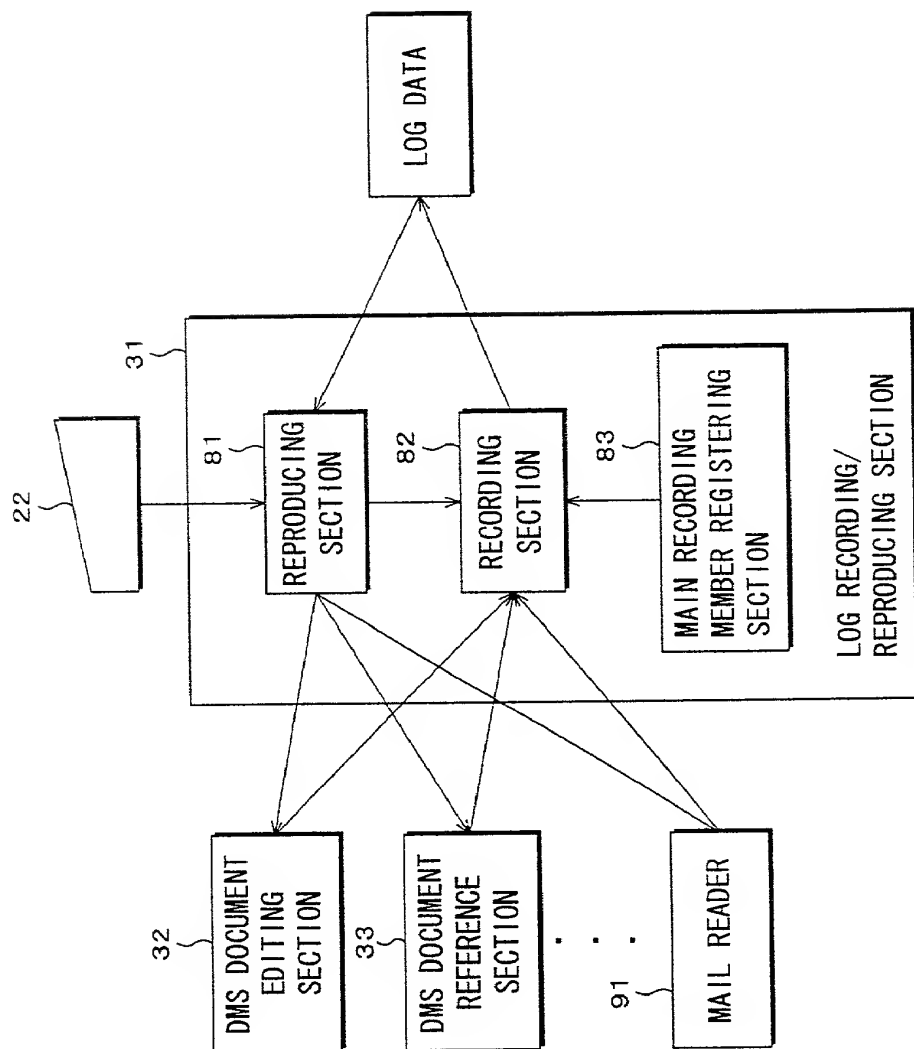


FIG. 19

RECORDING ORDER	POSITION	AP OPERATED	OPERATION CONTENT	OPERATION INFORMATION
.....
1112	896	DMS DOCUMENT REFERENCE SECTION 1	NON-DISPLAY	
1113	896	DMS DOCUMENT REFERENCE SECTION 2	START DISPLAY	"COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0
1114	896	DMS DOCUMENT REFERENCE SECTION 2	SEARCH CHARACTER	"DCT", 6144, 6
1115	896	DMS DOCUMENT REFERENCE SECTION 2	NON-DISPLAY	
1116	896	MAIL READER	START DISPLAY	"INVITATION FOR SOCIAL GATHERING TRIP", ...
1117	896	MAIL READER	CLOSE	
1118	896	DMS DOCUMENT REFERENCE SECTION 2	RE-DISPLAY	
1119	896	DMS DOCUMENT REFERENCE SECTION 2	MOVE CURSOR	6126
1120	896	DMS DOCUMENT REFERENCE SECTION 2	COPY	"DISCRETE COSINE TRANSLATION", 6142
1121	896	DMS DOCUMENT EDITING SECTION	PASTE	"DISCRETE COSINE TRANSLATION", 912
.....

FIG. 20

RECORDING ORDER	POSITION	AP OPERATED	OPERATION CONTENT	OPERATION INFORMATION
.....
1112	896	DMS DOCUMENT REFERENCE SECTION 1	NON-DISPLAY	
1113	896	DMS DOCUMENT REFERENCE SECTION 2	START DISPLAY	"COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0
1114	896	DMS DOCUMENT REFERENCE SECTION 2	SEARCH CHARACTER	"DCT", 6144, 6
1115	896	DMS DOCUMENT REFERENCE SECTION 2	NON-DISPLAY	
1116	#896	MAIL READER	START DISPLAY	"INVITATION FOR SOCIAL GATHERING TRIP", ...
1117	#896	MAIL READER	CLOSE	
1118	896	DMS DOCUMENT REFERENCE SECTION 2	RE-DISPLAY	
1119	896	DMS DOCUMENT REFERENCE SECTION 2	MOVE CURSOR	6126
1120	896	DMS DOCUMENT REFERENCE SECTION 2	COPY	"DISCRETE COSINE TRANSLATION", 6142
1121	896	DMS DOCUMENT EDITING SECTION	PASTE	"DISCRETE COSINE TRANSLATION", 912
.....

FIG. 21

RECORDING ORDER	POSITION	AP OPERATED	OPERATION CONTENT	OPERATION INFORMATION
.....
1112	896	DMS DOCUMENT REFERENCE SECTION 1	NON-DISPLAY	
1113	896	DMS DOCUMENT REFERENCE SECTION 2	START DISPLAY	"COMMON AMONG TECHNICAL SECTIONS", "TERMINOLOGIES FOR IMAGE PROCESSING", 2.0
1114	896	DMS DOCUMENT REFERENCE SECTION 2	SEARCH CHARACTER	"DCI", 6144, 6
1115	#896	DMS DOCUMENT REFERENCE SECTION 2	NON-DISPLAY	
1116	#896	MAIL READER	START DISPLAY	"INVITATION FOR SOCIAL GATHERING TRIP", ...
1117	#896	MAIL READER	CLOSE	
1118	#896	DMS DOCUMENT REFERENCE SECTION 2	RE-DISPLAY	
1119	896	DMS DOCUMENT REFERENCE SECTION 2	MOVE CURSOR	6126
1120	896	DMS DOCUMENT REFERENCE SECTION 2	COPY	"DISCRETE COSINE TRANSLATION", 6142
1121	896	DMS DOCUMENT EDITING SECTION	PASTE	"DISCRETE COSINE TRANSLATION", 912
.....

FIG. 22

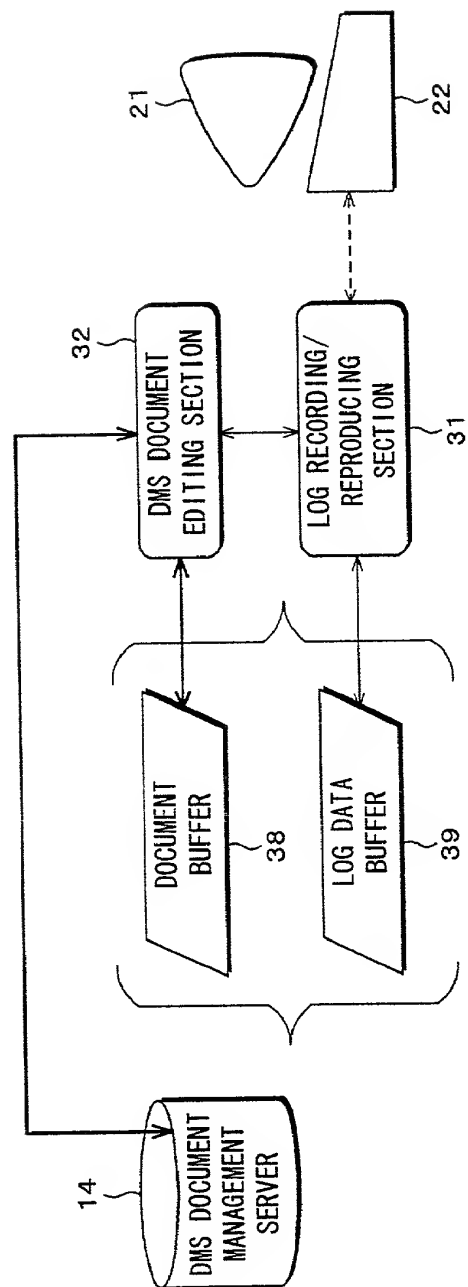


FIG. 23

